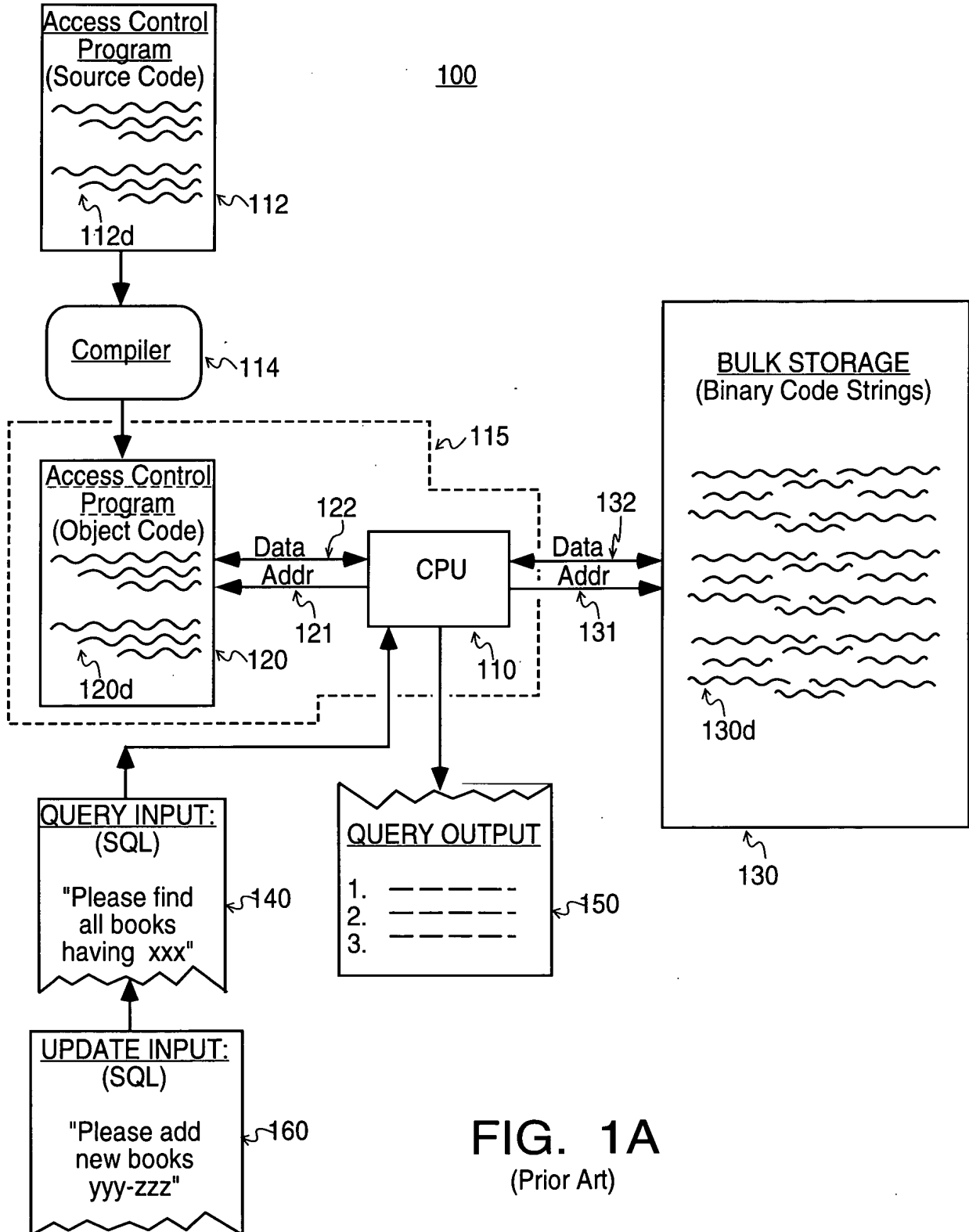


APPROVED	O.G. FIG. 44
BY	CLASS SUBCLASS
DRAFTSMAN	395 60X



**FIG. 1A**  
(Prior Art)

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

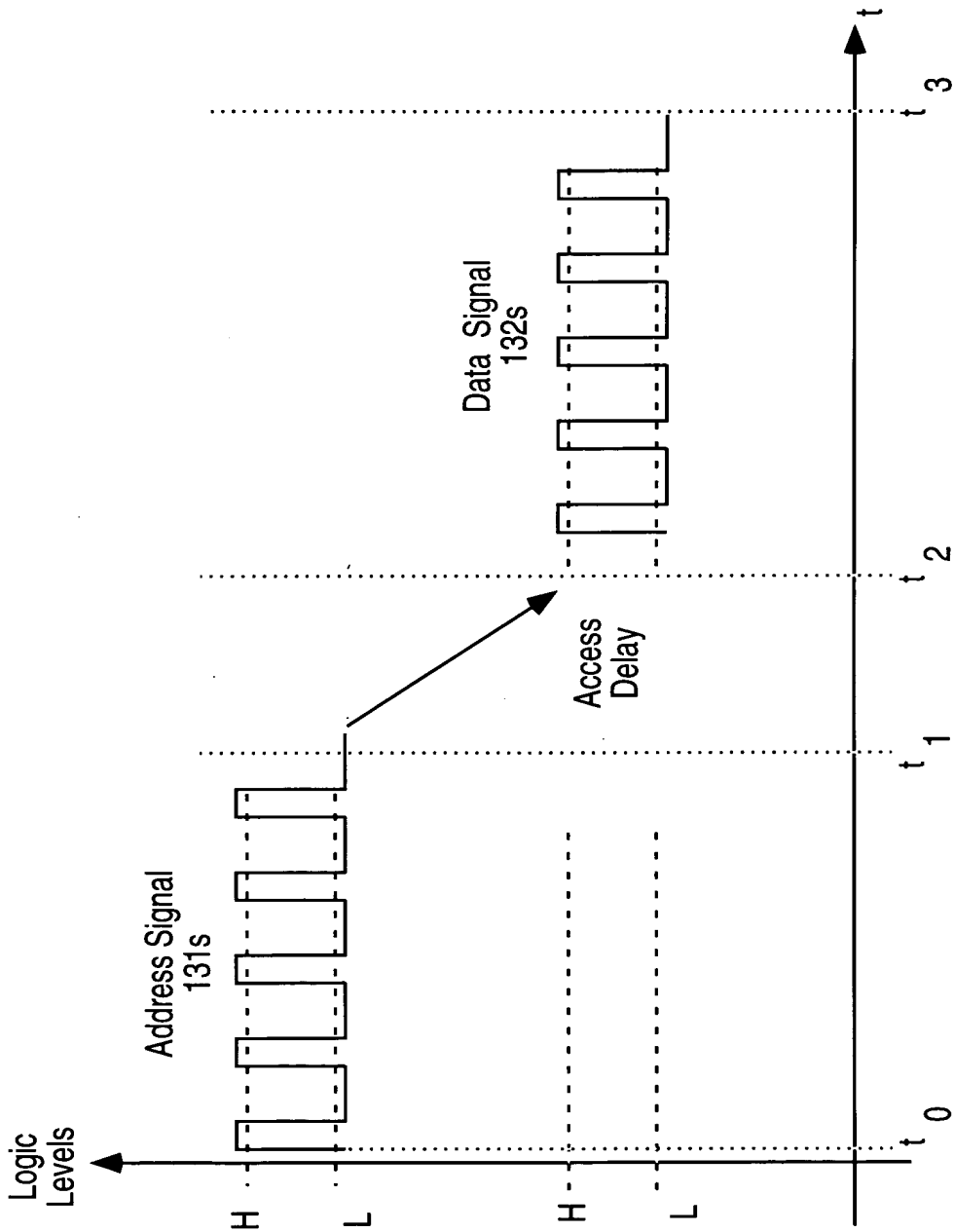
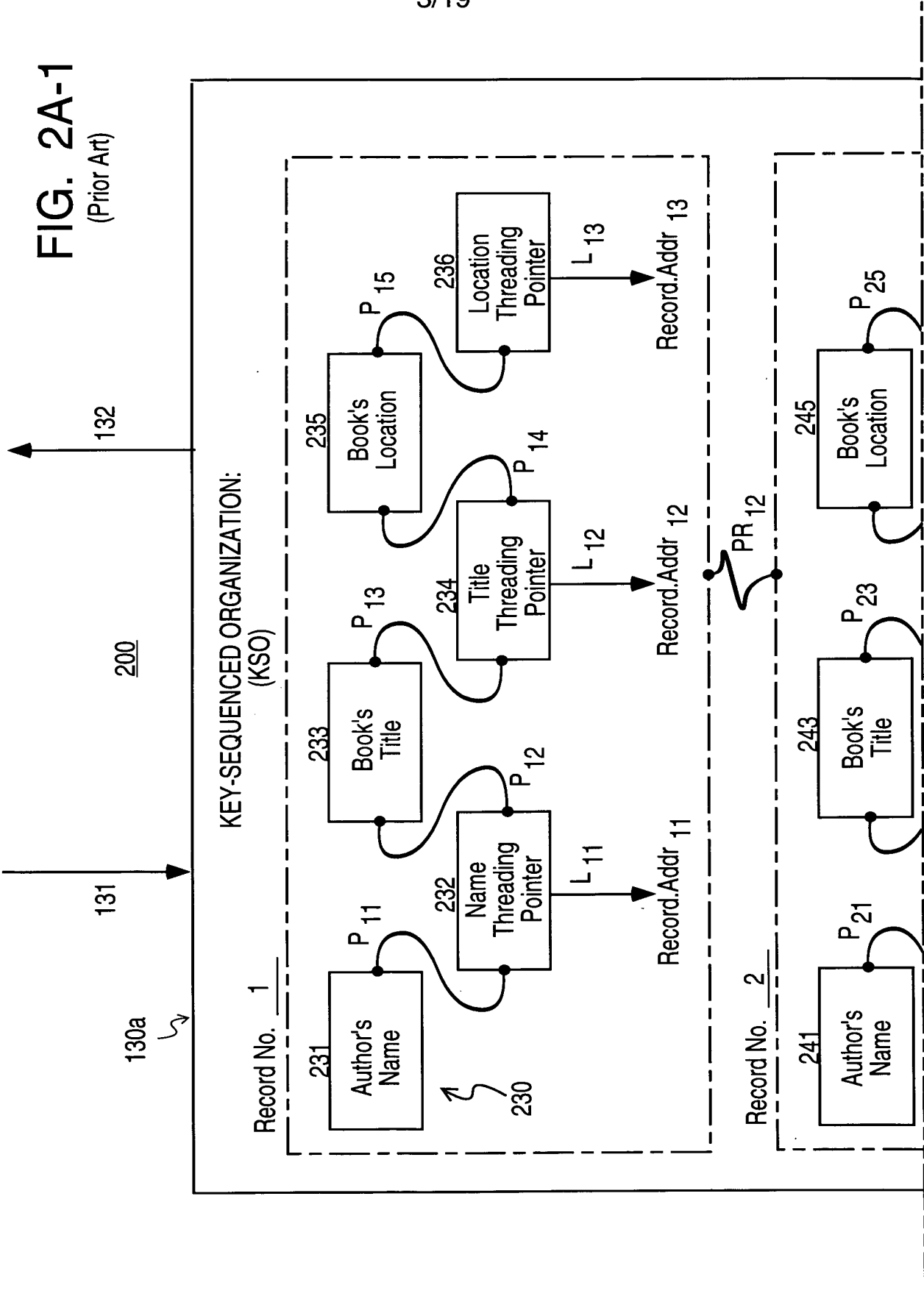


FIG. 1B  
(Prior Art)

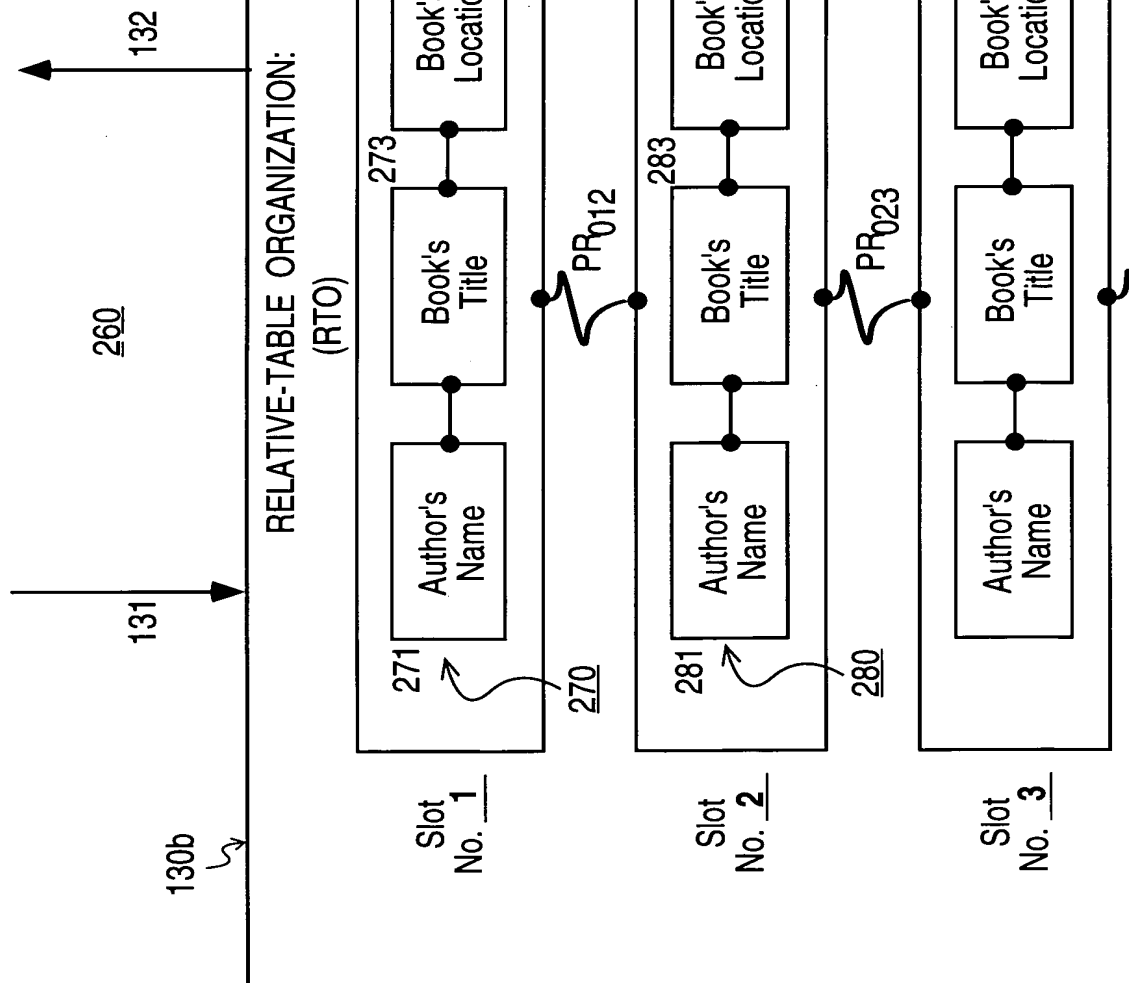
APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	





APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

FIG. 2B-1  
(Prior Art)



APPROVED	O.G. FIG.	
	CLASS	SUBCLASS
BY		
DRAFTSMAN		

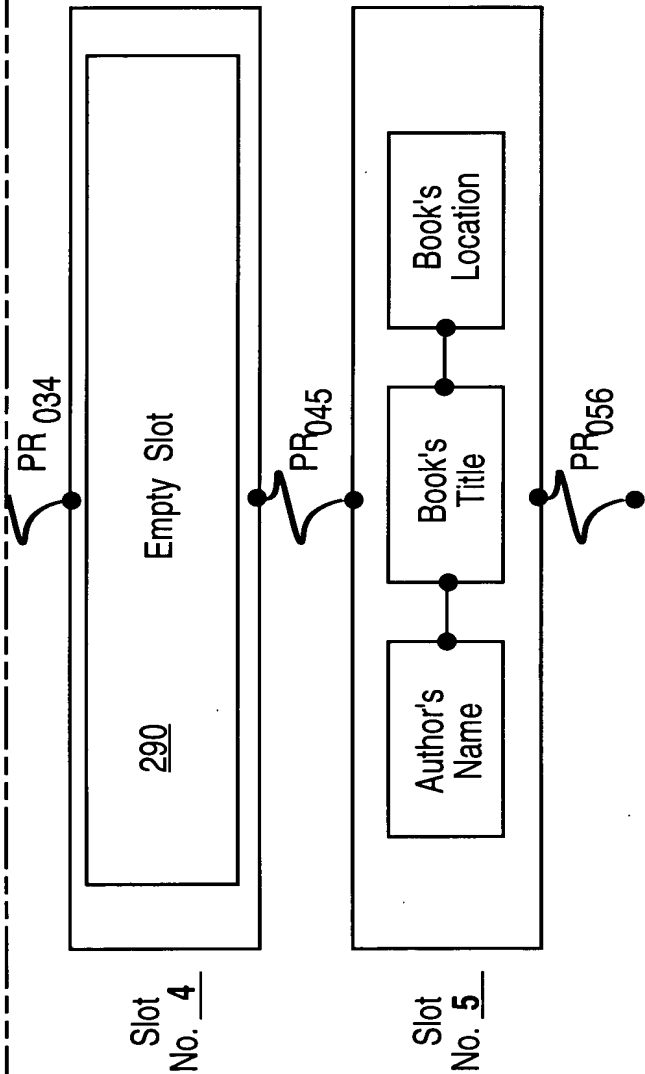


FIG. 2B-2  
(Prior Art)

FIG.	FIG. 2B
2B-1	
FIG.	
2B-2	



APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

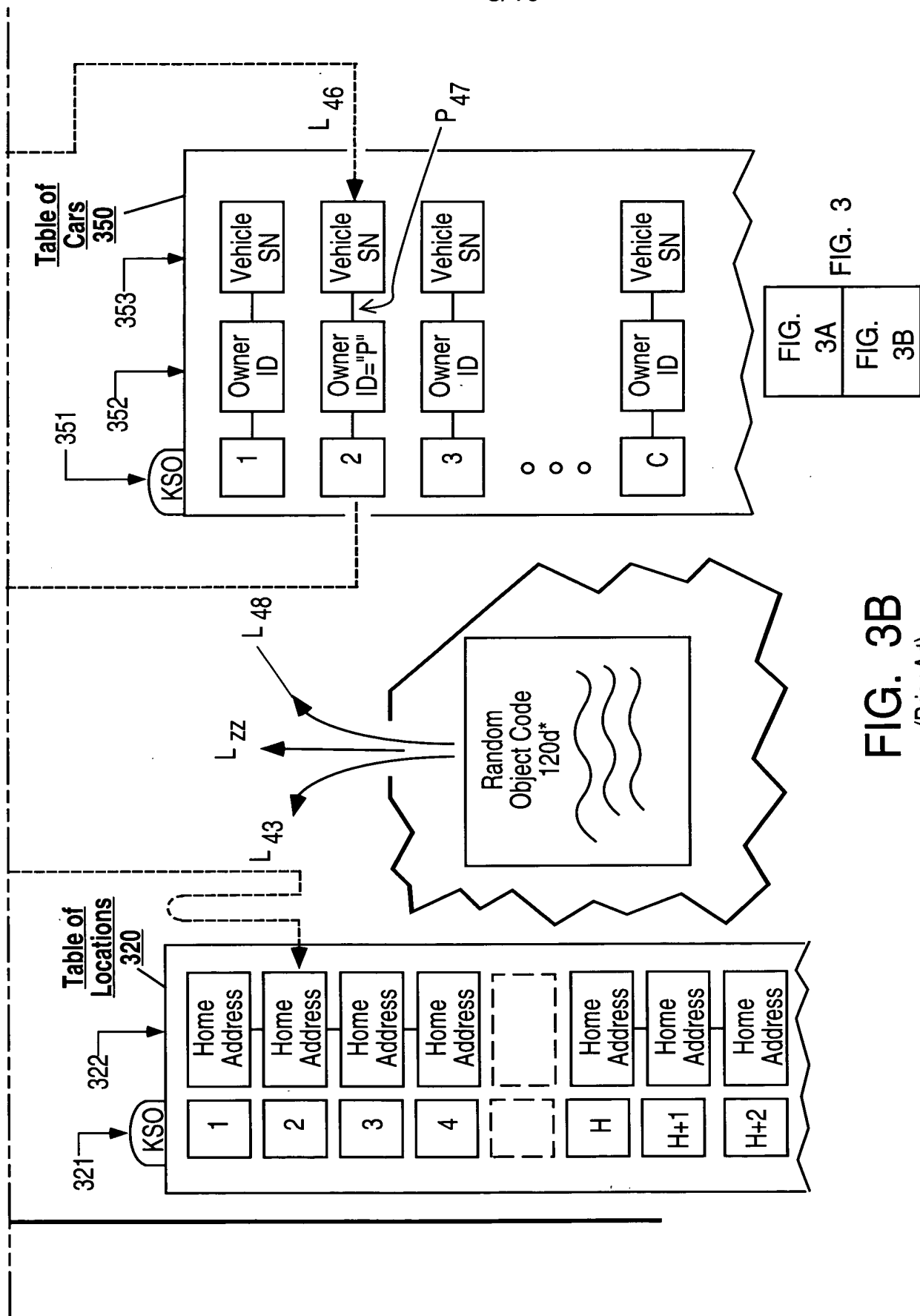


FIG. 3A	FIG. 3
FIG. 3B	

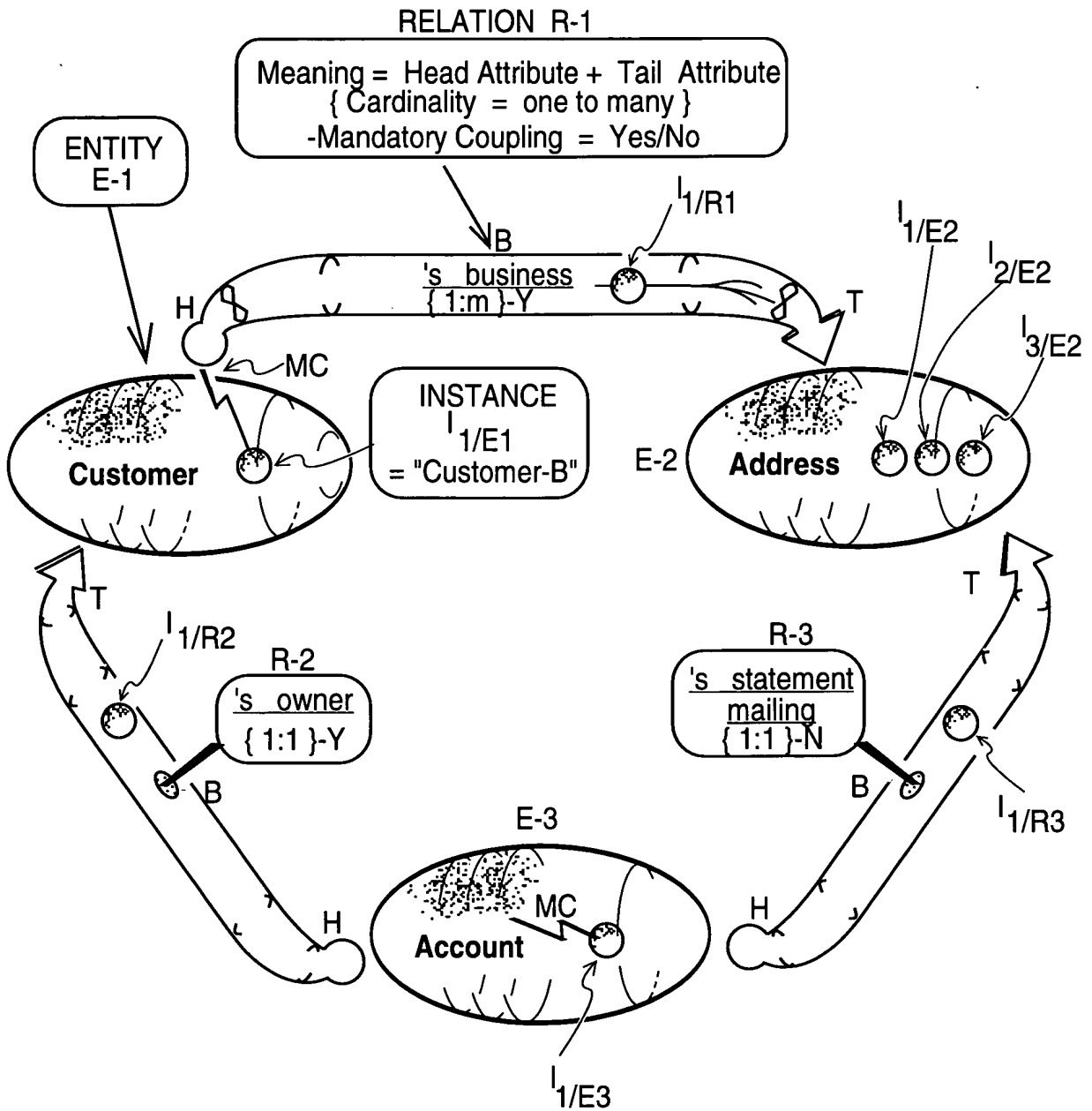


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FIG. 4A

400

APPROVED	BY	DRAFTSMAN
O.G. FIG. 4A	CLASS	SUBCLASS
	325	604



10/19

FIG. 4B

450

APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

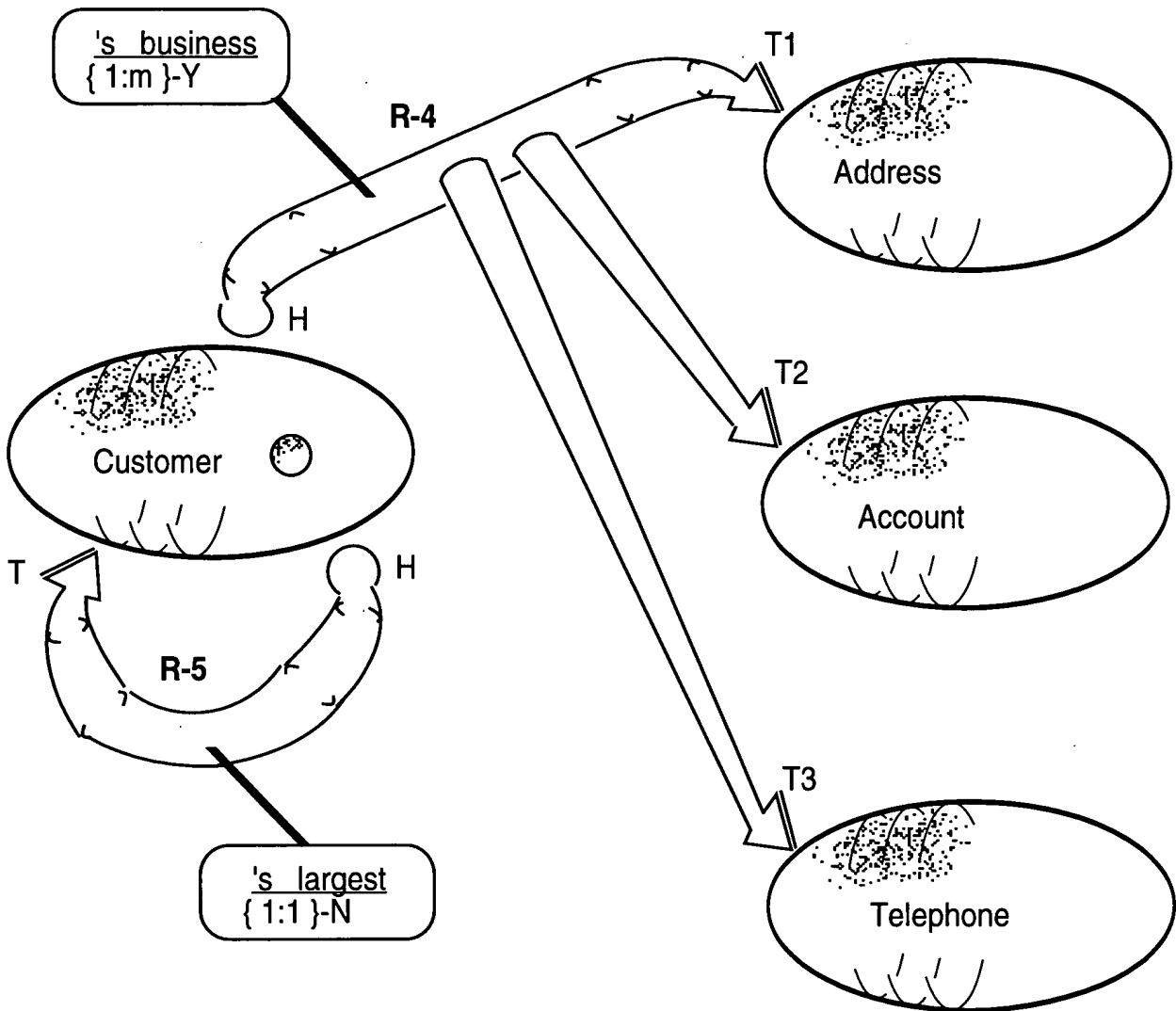


FIG. 5

130-RP

131

132

500

ENT.DEF Table

RTO

Entity Type No. = Slot No.	Entity Class Name Abbreviation (Full Name)	Name of Single Table where instances are stored
.1.	CU (Customer)	T.Companies
.2.	AD (Address)	T.Addresses
.3.	AC (Account )	T.Accounts
.4.	SU (Supplier)	T.Companies
.ETN	EA	EiT

500a

500b

APPROVED	O.G. FIG.	
	CLASS	SUBCLASS
BY		
DRAFTSMAN		

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FIG. 6A

130-RP

131 ↓ ↑ 132

O.G. FIG.	
CLASS	SUBCLASS
APPROVED BY	DRAFTSMAN

600  
REL.DEF. Table

RTO

Relation Type No. = Slot No.	Relation Class Name Abbreviation (Full Name)	Name of Single Table where instances of Relation are stored	Head Entity Type Number (Full Name)	First Tail Entity Type Number (Full Name)	Cardinality 600f
.1.	-BU- ( 's Business)	T.Rel-1	.1 (Customer )	.2 (Address)	{1:m} Y
.2.	-OW- ( 's Owning)	T.Rel-2	.3 (Account)	.1 (Customer )	{1:1} Y
.3.	-SM- ( 's St. Mailing)	T.Rel-3	.3 (Account)	.2 (Address)	{1:1} N
.4.	-HQ- ( 's Main Headqtrs)	T.Rel-1	.1 (Customer )	.2 (Address)	{1:1} Y
.RTN	-RA-	RiT	ETN <sub>h</sub>	ETN <sub>t1</sub>	

600a ↑

600b ↑

600c ↑

600d ↑

Optional Second thru Fifth Tail Entity Names (type) 600e

Mandatory Head Coupling 600g

130-RP

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FIG. 6B

131

132

600

REL.DEF Table

RTO

Optional  
Second thru Fifth  
Tail Entity  
Names  
Region  
600e

Tail-Activation  
Mask  
(606)

T2  
(602)

T3  
(603)

T4  
(604)

T5  
(605)

.1

.4  
(Supplier)

.5  
(Area)

.6  
(Phone  
No.)

.3  
(Account)

● ○ ○ ○ ○

.2

.7  
(Branch)

● ○ ○ ○ ○

.3

.7  
(Branch)

.8  
(Contact  
Person)

● ○ ○ ○ ○

.4

.6  
(Phone  
No.)

.8  
(Contact  
Person)

.3  
(Account)

● ● ○ ● ○

.5

○ ○ ○ ○ ○

Entity  
Type Number  
(and Name)

Relation  
Type  
No.

T1

T2

T3

T4

T5

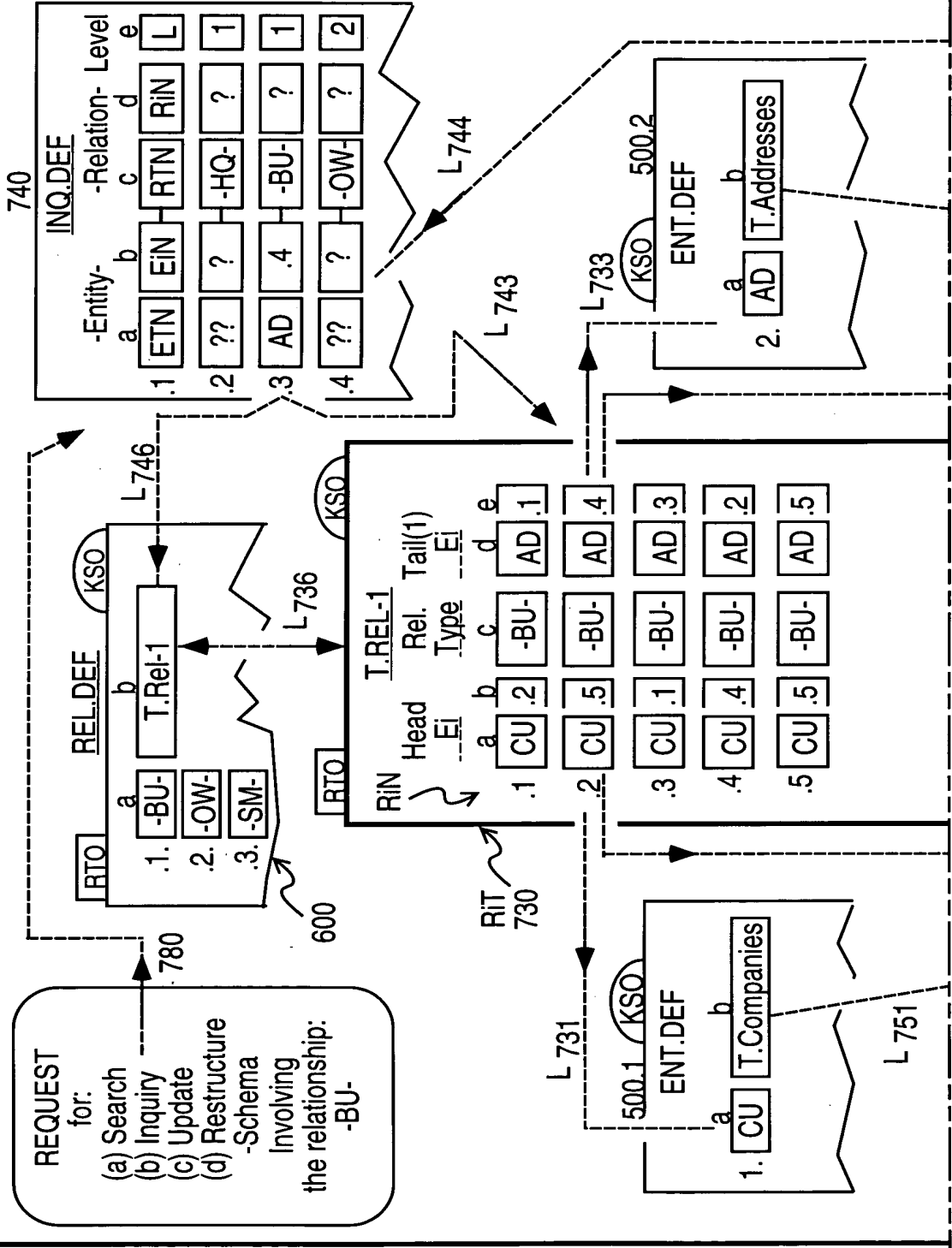
APPROVED	O.G. FIG.	
	CLASS	SUBCLASS
BY	DRAFTSMAN	

FIG. 7A 130-RP

700

815  
131 132

REQUEST for:  
(a) Search  
(b) Inquiry  
(c) Update  
(d) Restructure  
-Schema  
Involving  
the relationship:  
-BU-



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

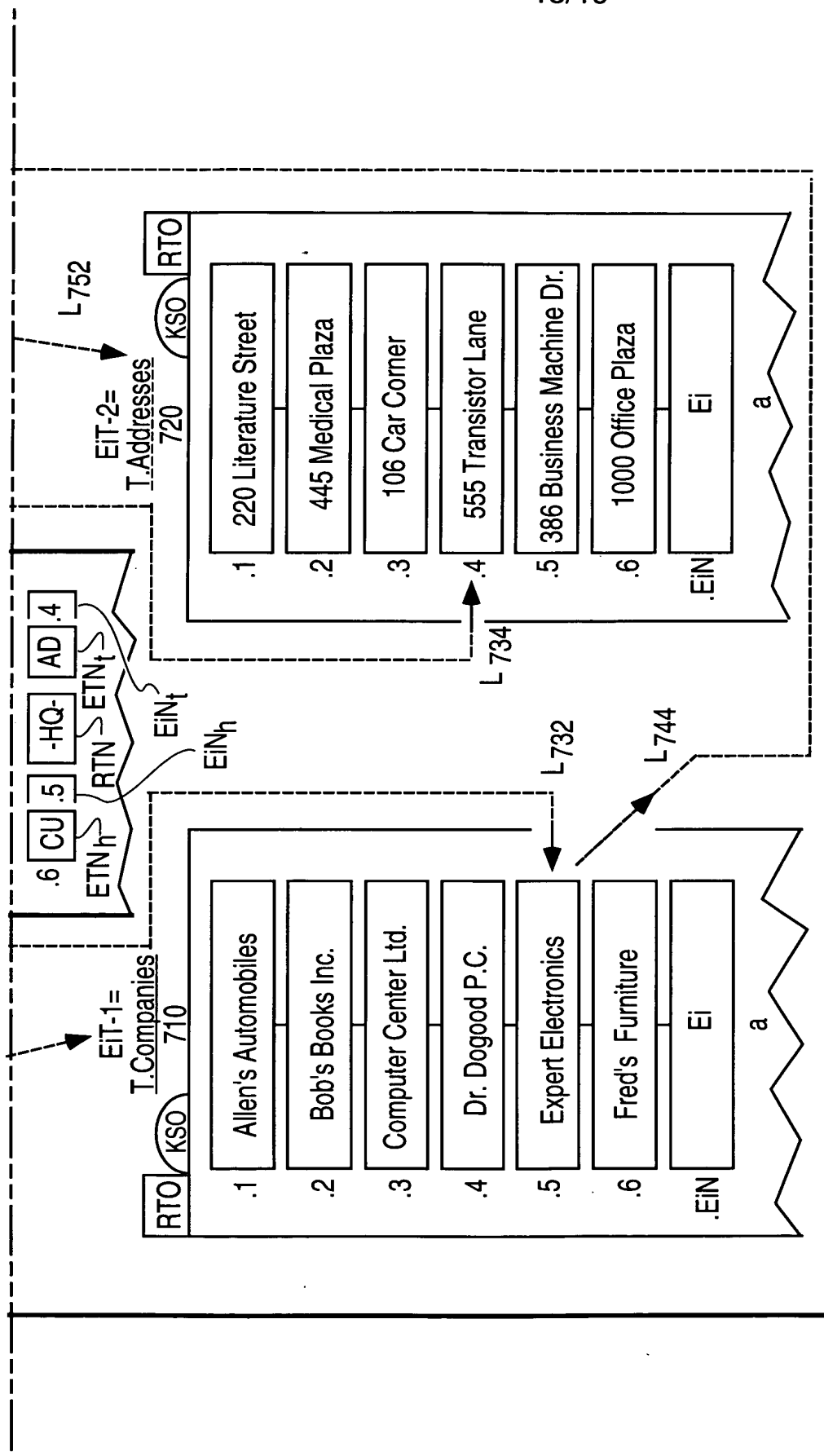


FIG.	FIG. 7
7A	
FIG.	FIG. 7B
7B	

FIG. 7B

APPROVED	O.G. FIG.	
	CLASS	SUBCLASS
BY		
DRAFTSMAN		

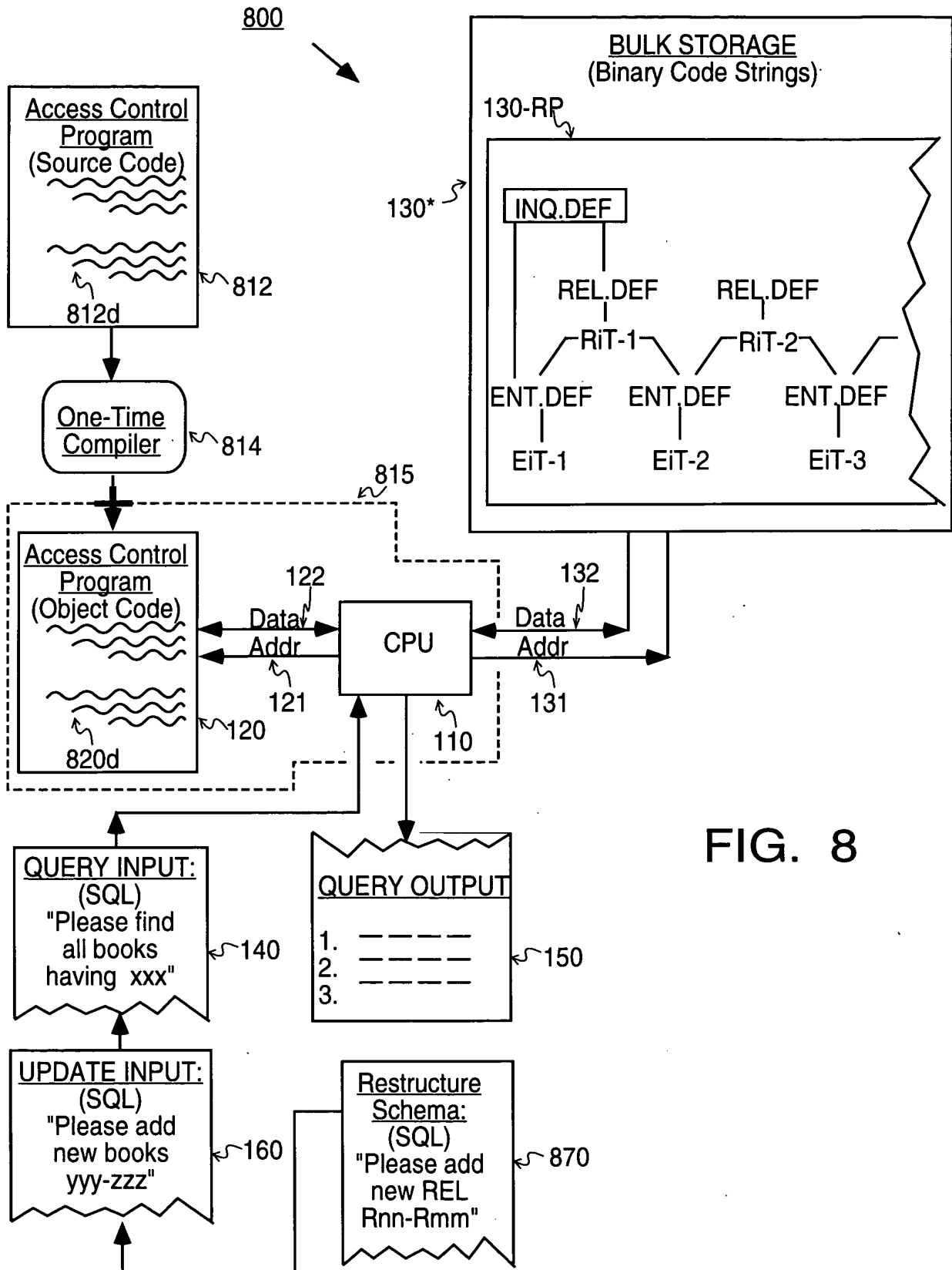
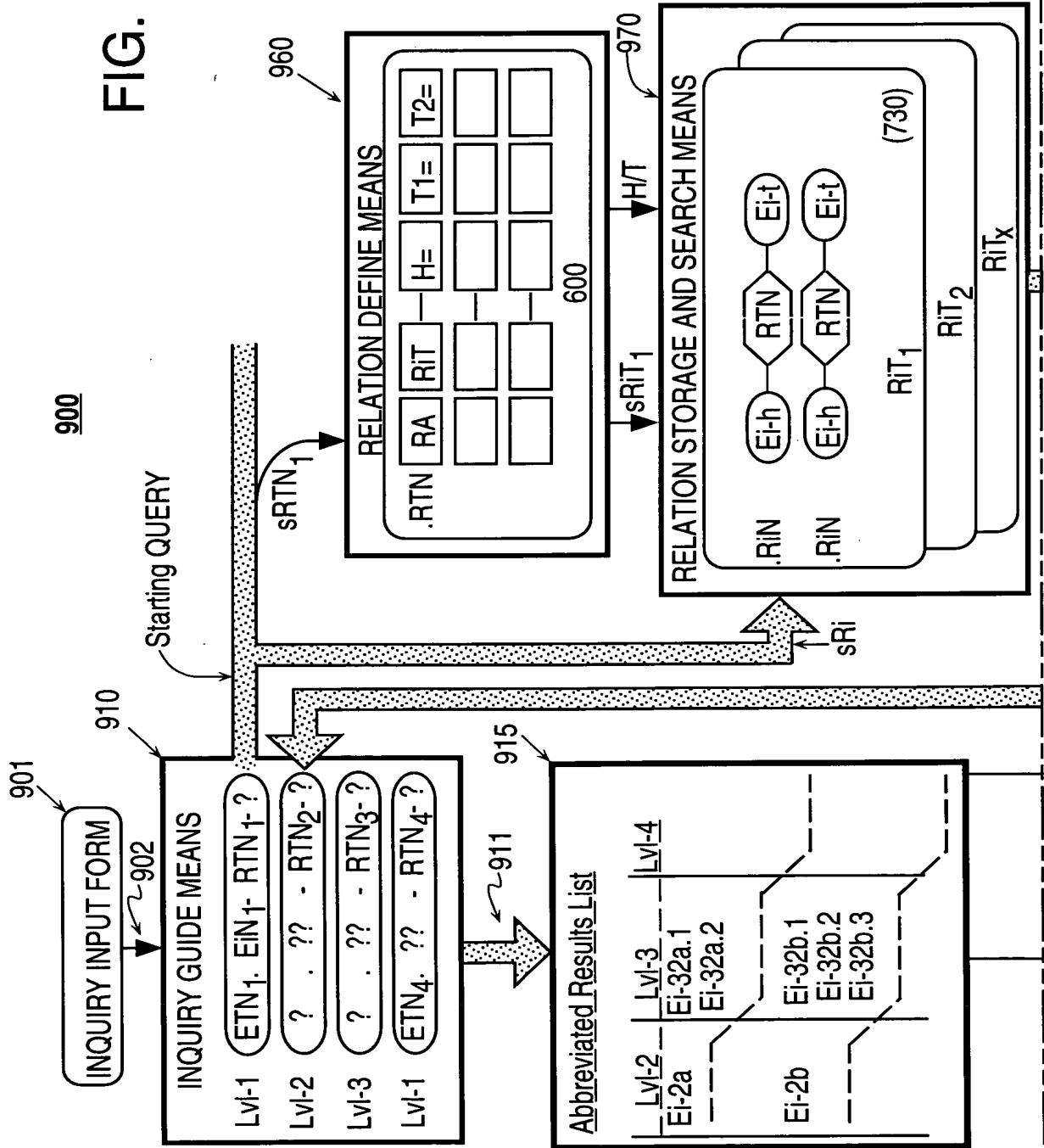


FIG. 8



FIG. 9A



APPROVED	O.G. FIG.		
BY	CLASS	SUBCLASS	
DRAFTSMAN			

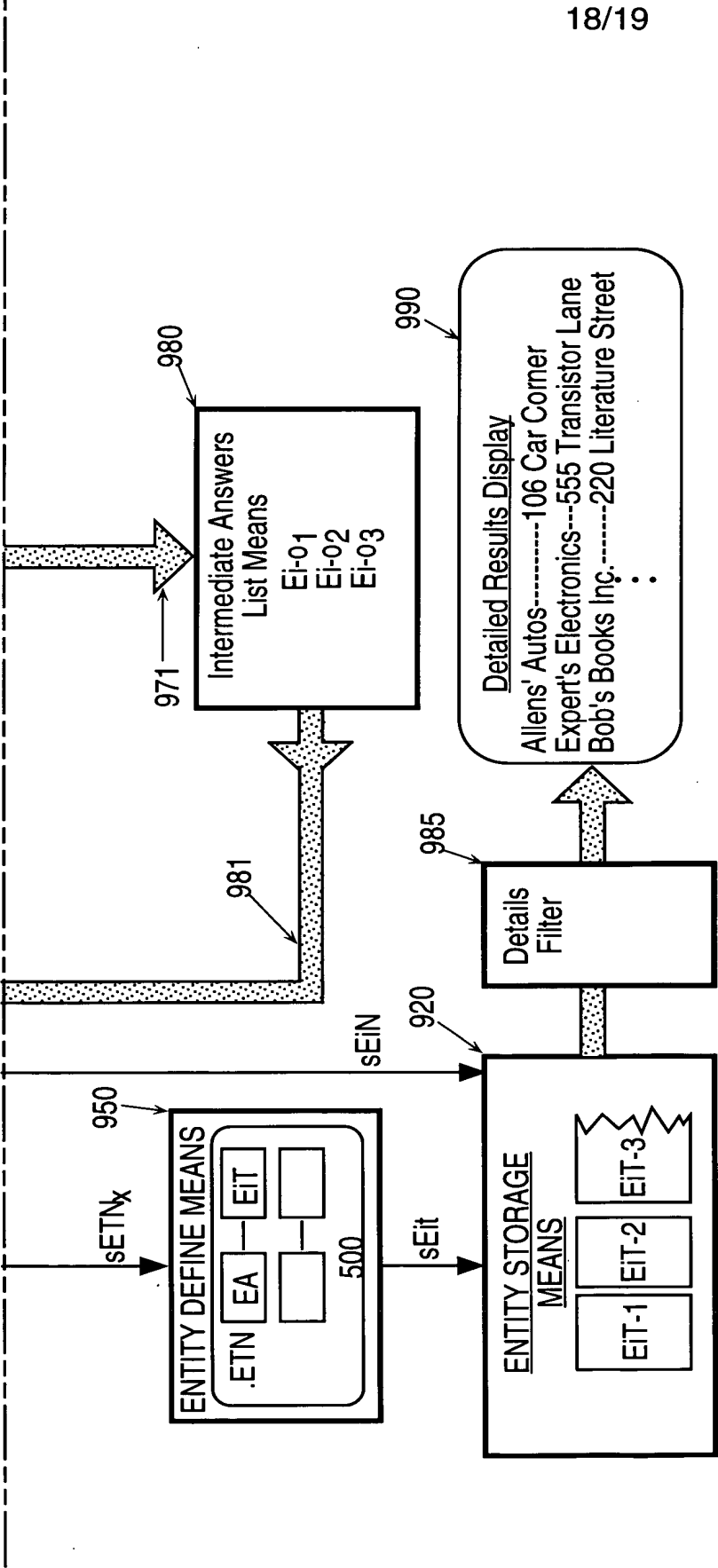


FIG. 9B

FIG. 9A	FIG. 9
FIG. 9B	

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

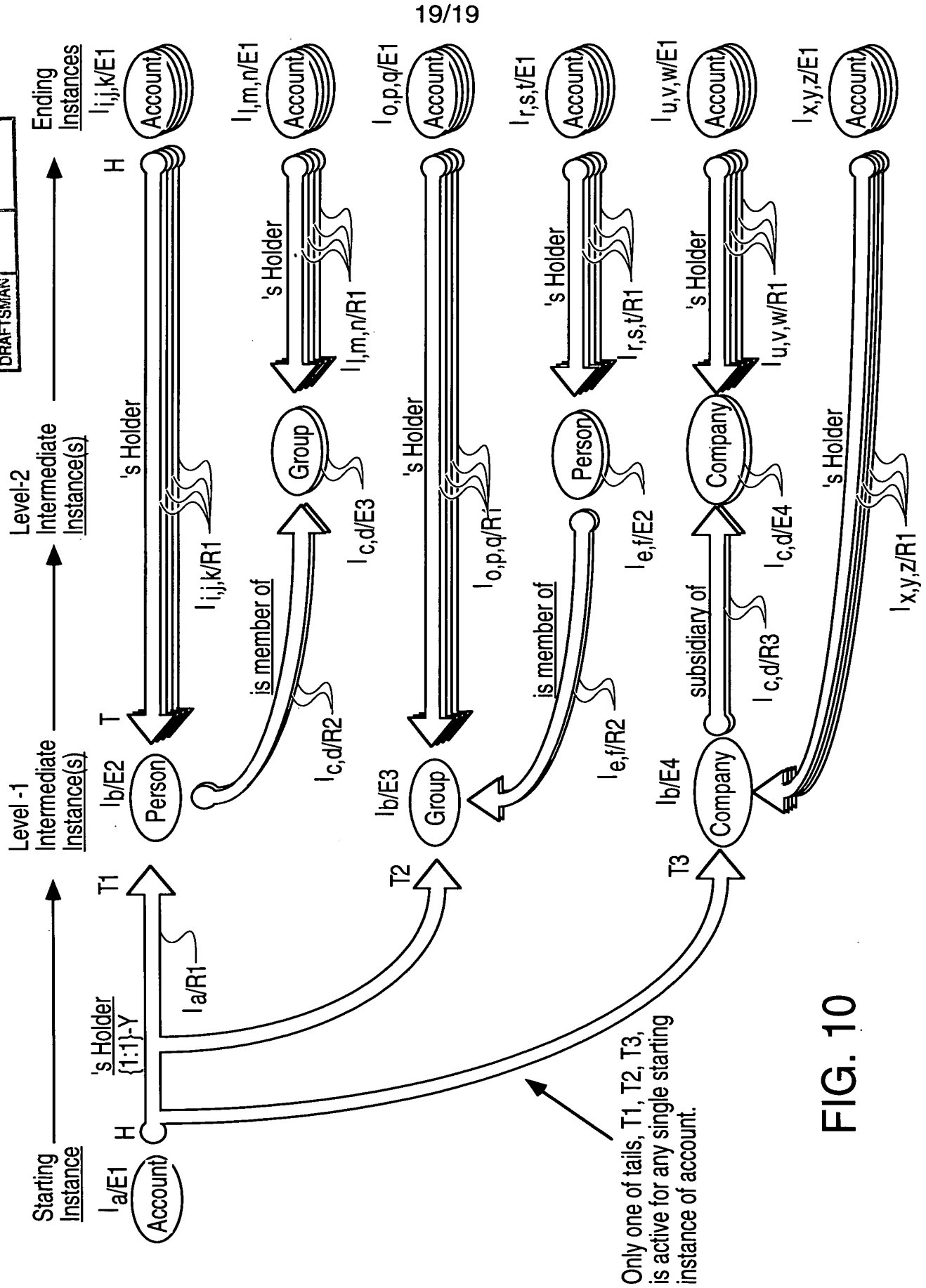


FIG. 10